

AMENDMENTS TO THE CLAIMS

1.-4. (canceled)

5. (currently amended) A data receiver for receiving a second image data, the second image data for playing a game on a portable terminal, said second image data comprising image data of a first moving image and digital data encoded as color of part or all of said first moving image, the data receiver including the portable terminal, the portable terminal comprising:

a light sensing means that senses the light of part or all of a second moving image displayed on a display means, said second moving image including said digital data being encoded as the color of part or all of said second moving image data; and

a digital data decoding means that detects the change in each unit time in the color of part or all of said second moving image sensed by said light sensing means and decodes and generates said digital data;

wherein said light sensing means includes a display assembled into said light sensing means and means for displaying a third moving image thereon; and

wherein said third moving image displayed on said display of said light sensing means is generated based on said digital data that is decoded by said digital data decoding means and said third moving image includes a game character for playing the game based said digital data.

6. (original) A data receiver as described in claim 5, wherein said color change at least one of the elements hue, brightness, and chroma changes.

7. (currently amended) A data reception method of receiving a second image data, the second image data for playing a game on a portable terminal, said second image data comprising image data of a first moving image and digital data encoded as color of part or all of said first moving image, the data reception method comprising the steps of:

sensing the light of part or all of said second moving image displayed on a display means with a light sensing means, said second moving image including said digital data being encoded as the color of part or all of said first moving image data; and

detecting a change in each unit time in the color of part or all of said second moving image whose light is sensed and decoding said digital data,

wherein said light sensing means includes a display assembled into said light sensing means and means for displaying a third moving image thereon, and

wherein said displaying of said third moving image on said display of said light sensing means is generated based on said digital data that is decoded by said digital data decoding means and said third moving image includes a game character for playing the game based on said digital data.

8. (original) The data reception method as described in claim 7, wherein said color change at least one of the elements hue, brightness, and chroma changes.

9. (currently amended) A data communication system that transmits a moving image from a data transmitter to a data receiver comprising:

said data transmitter including

a first source for supplying image data of a first moving image, and a second source for supplying digital data,

an image data encoding means that encodes, each unit time, said digital data as the color of part or all of said first moving image based on said digital data that is input to the said image data and generates a second image data, and

a transmission means that transmits said second image data; and

said data receiver including a portable terminal. the portable terminal including

a reception means that receives said second image data for playing a game on the portable terminal.

a display means that displays a second moving image based on said second image data, said second moving image including said digital data being encoded as the color of part or all of said first moving image data,

a light sensing means that senses a part or all of said second moving image displayed on said display means, said light sensing means having a display assembled therein,

a digital data decoding means that detects the change each unit time in the color of part or all of said second moving image sensed by said light sensing means and decodes and generates said digital data, and

means for displaying a third moving image on the display of said light sensing means,

wherein said third moving image displayed on said display of said light sensing means is generated based on said digital data that is decoded by said digital data decoding means and said third moving image includes a game character for playing the game based on said digital data.

10. (original) The data communication system as described in claim 9, wherein said color change at least one of the elements hue, brightness, and chroma changes.

11. (currently amended) A data communication method comprising the steps of:
generating a second image data by encoding digital data as the color of part or all of a first moving image is changed in each unit time based on said digital data that is input to image data of said first moving image;
displaying said first moving image on a display means based on said second image data;
sensing the light of part or all of the first moving image displayed on said display means, and

detecting a change in each unit time in the color of part or all of said second moving image whose light is detected, and decoding the digital data, the second image for playing a game on a portable terminal.

wherein said sensing is performed with a light sensing device having a display assembled therein and means for displaying a third moving image on said display of said light sensing device, and

wherein said displaying of said third moving image on said display of said light sensing means is generated based on said decoded digital data and said third moving image includes a game character for playing the game based on said decoded digital data.

12. (original) The data communication method as described in claim 11, wherein said color change at least one of the elements hue, brightness, and chroma changes.

13. (canceled)

14. (canceled)

15. (previously presented) A data reception method in accordance with claim 7, further comprising the step of removing said second moving image from said display means after displaying said third moving image on said display of said light sensing means.

16. (previously presented) A data communication system in accordance with claim 9, wherein said third moving image is displayed on said display of said light sensing means after said light sensing means senses a part or all of said second moving image displayed on said display means.

17. (previously presented) A data communication system in accordance with claim 16, further comprising means for removing said second moving image from said display means after said third moving image is displayed on said display of said light sensing means.

18. (previously presented) A data communication system in accordance with claim 9, wherein said light sensing means is a portable communication terminal which includes storage means for storing one or more images displayed on said light sensing means display. .

19. (canceled)

20. (previously presented) A data communication method in accordance with claim 11, further comprising the step of removing said second moving image from said display means after displaying said third moving image on said display of said light sensing means.